

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Sacramento Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Sacramento Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento Bypass or North Levee			Right	1.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/30/2019 - 4/30/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_ST0008_01_s_2013_3				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_ST0008_01_f_2017_4				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_ST0008_01_s_2013_5				
Comment Code					
Inspector Comment					
The Sacramento Yard has a written response plan and regular flood fight training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.50	Rating **	M	Issue No.	10
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.604574 °	38.604574 °
				-121.568480 °	-121.568480 °
DWR ID	DWR_ST0008_01_s_2019_10				
Comment Code					
DE : Debris					
Inspector Comment					
Appliances were dumped on the landside shoulder.					

No Photos

LM Start	0.60	Rating **	A/W	Issue No.	8
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.603983 °	38.603983 °
				-121.570268 °	-121.570268 °
DWR ID	DWR_ST0008_01_f_2018_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Sac Yard fixed the collapsed beaver den on the waterside slope. This area should be monitored for future activity.					

Photo 1 of 1 : SP_2019_ST0008_284_8_20190304_00002.jpg



View of beaver den on the waterside toe road. Fall 2018.

LM Start	0.73	Rating **	M	Issue No.	11
LM End	0.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.603458 °	38.603458 °
				-121.572490 °	-121.572490 °
DWR ID	DWR_ST0008_01_s_2019_11				
Comment Code					
DE : Debris					
Inspector Comment					
Furniture was dumped on the waterside shoulder.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.75	Rating **	A/W	Issue No.	12
LM End	0.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.603337 °	38.603337 °
				-121.572912 °	-121.572912 °
DWR ID	DWR_ST0008_01_s_2019_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
There is visible settlement on the crown on County Road 126. Recommend monitoring for further movement.					

Photo 1 of 1 : SP_2019_ST0008_284_12_20190430_00014.jpg



View of settlement on crown. Spring 2019.

LM Start	0.87	Rating **	A/W	Issue No.	9
LM End	0.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.602871 °	38.602871 °
				-121.574960 °	-121.574960 °
DWR ID	DWR_ST0008_01_f_2018_9				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There possibly is a beaver den on the edge of the waterside berm. It is not within the levee prism. Recommend monitoring for activity.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.09	Rating **	A/W	Issue No.	18	
LM End	1.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.602169 °		38.602169 °
				-121.579000 °		-121.579000 °
DWR ID	19076					
Comment Code						
Inspector Comment						
FS_ID:44787 DS_ID:19076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: A concrete saddle found on slough/drainage. No pump was found on LS and no structure/pipe found on WS. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, at an unknown depth. Grouted in place. Remains of concrete structure found on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 122.1, August 1955, (RM 174)]. FS Date: 4/28/2015 2:44:05 PM						

LM Start	1.09	Rating **	A/W	Issue No.	18 (cont)
LM End	1.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_44787_20605.jpg



Landside view: overview

Photo 2 of 3 : UCIP_SP_2019_44787_20604.jpg



Landside view: remaining of concrete structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.09	Rating **	A/W	Issue No.	18 (cont)	
LM End	1.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.602169 °	38.602169 °	
				-121.579000 °	-121.579000 °	
DWR ID	19076					
Comment Code						
Inspector Comment						
FS_ID:44787 DS_ID:19076 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: A concrete saddle found on slough/drainage. No pump was found on LS and no structure/pipe found on WS. FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, at an unknown depth. Grouted in place. Remains of concrete structure found on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 122.1, August 1955, (RM 174)]. FS Date: 4/28/2015 2:44:05 PM						

Photo 3 of 3 : UCIP_SP_2019_44787_20606.jpg



Landside view: remaining of concrete structure on drainage/slough

LM Start	1.10	Rating **	M	Issue No.	19
LM End	1.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.602180 °	38.602180 °
				-121.579130 °	-121.579130 °
DWR ID	19066				
Comment Code					
Inspector Comment					
FS_ID:44783 DS_ID:19066 EP_NO: 13616 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: After more investigation depressions are from water run off. erosion repair needed FIELD_STRUCT_DESC: [Agricultural Drainage Pumping System] 1 of 2: 24-inch concrete encased steel discharge pipeline through the right bank (north) levee of the Sacramento Bypass, 6.33 feet below the crown. Siphon breaker on the waterside (WS). Vertical galvanized iron pipe trash rack on the inlet structure. (24-inch pipeline authorized under Permit No. 13616, 1995 - Reclamation District No. 537 [revised]). FS Date: 4/28/2015 2:43:01 PM					

Photo 1 of 3 : UCIP_SP_2019_44783_20611.jpg



Landside view: pumping plant overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.10	Rating **	M	Issue No.	19 (cont)	
LM End	1.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.602180 °		38.602180 °
				-121.579130 °		-121.579130 °
DWR ID	19066					
Comment Code						
Inspector Comment						
FS_ID:44783 DS_ID:19066 EP_NO: 13616 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: After more investigation depressions are from water run off. erosion repair needed FIELD_STRUCT_DESC: [Agricultural Drainage Pumping System] 1 of 2: 24-inch concrete encased steel discharge pipeline through the right bank (north) levee of the Sacramento Bypass, 6.33 feet below the crown. Siphon breaker on the waterside (WS). Vertical galvanized iron pipe trash rack on the inlet structure. (24-inch pipeline authorized under Permit No. 13616, 1995 - Reclamation District No. 537 [revised]). FS Date: 4/28/2015 2:43:01 PM						

LM Start	1.10	Rating **	M	Issue No.	19 (cont)
LM End	1.10	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_44783_20609.jpg



Landside view: vertical GI pipes in inlet structure.

Photo 3 of 3 : UCIP_SP_2019_44783_20608.jpg



Landside view: walkway to the pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.10	Rating **	M	Issue No.	20
LM End	1.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.602128 °	38.602128 °
				-121.579150 °	-121.579150 °
DWR ID	19079				
Comment Code					
Inspector Comment					
FS_ID:44784 DS_ID:19079 EP_NO: 13616 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Horizontal Air vent on waterside slope. Green vegetation and depressions also found on waterside slope. FIELD_STRUCT_DESC: [Agricultural Drainage Pumping System] 2 of 2: 20-inch concrete encased steel discharge pipeline through the right bank (north) levee of the Sacramento Bypass, 6.33 feet below the crown. Siphon breaker on the waterside (WS). Vertical galvanized iron pipe trash rack on the inlet structure. (24-inch pipeline authorized under Permit No. 13616, 1995 - Reclamation District No. 537 [revised]). FS Date: 4/28/2015 2:43:26 PM					

LM Start	1.10	Rating **	M	Issue No.	20 (cont)
LM End	1.10	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2019_44784_20619.jpg



Landside view: overview of pumping plant

Photo 2 of 3 : UCIP_SP_2019_44784_20618.jpg



Landside view: walkway to the pumping plant

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.10	Rating **	M	Issue No.	20 (cont)	
LM End	1.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.602128 °	38.602128 °	
				-121.579150 °	-121.579150 °	
DWR ID	19079					
Comment Code						
Inspector Comment						
FS_ID:44784 DS_ID:19079 EP_NO: 13616 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Horizontal Air vent on waterside slope. Green vegetation and depressions also found on waterside slope. FIELD_STRUCT_DESC: [Agricultural Drainage Pumping System] 2 of 2: 20-inch concrete encased steel discharge pipeline through the right bank (north) levee of the Sacramento Bypass, 6.33 feet below the crown. Siphon breaker on the waterside (WS). Vertical galvanized iron pipe trash rack on the inlet structure. (24-inch pipeline authorized under Permit No. 13616, 1995 - Reclamation District No. 537 [revised]). FS Date: 4/28/2015 2:43:26 PM						

Photo 3 of 3 : UCIP_SP_2019_44784_20617.jpg



Landside view: vertical GI pipe trash rack in inlet structure.

LM Start	1.14	Rating **	M	Issue No.	13
LM End	1.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.601930 °	38.601930 °
				-121.579807 °	-121.579807 °
DWR ID	DWR_ST0008_01_s_2019_13				
Comment Code					
DE : Debris					
Inspector Comment					
Appliances are blocking access to gate.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.15	Rating **	M	Issue No.	17
LM End	1.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.601887 °	38.599457 °	
			-121.580057 °	-121.589895 °	
DWR ID	DWR_ST0008_01_s _ 2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	M	Issue No.	16
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.601887 °	38.599462 °	
			-121.580057 °	-121.589894 °	
DWR ID	DWR_ST0008_01_s _ 2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.29	Rating **	M	Issue No.	14
LM End	1.29	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.601246 °	38.601246 °	
			-121.582469 °	-121.582469 °	
DWR ID	DWR_ST0008_01_s _ 2017_14				
Comment Code					
PI : Pipe					
Inspector Comment					
Erosion on WS slope is from siphon breaker water.					

Photo 1 of 1 : SP_2019_ST0008_284_14_20190304_00003.jpg



View of erosion on waterside levee slope. Spring 2017.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento Bypass or North Levee	Right	1.74	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.43	Rating **	A/W	Issue No.	7
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.600456 °	38.599713 °
				-121.584883 °	-121.587668 °
DWR ID	DWR_ST0008_01_f_2018_7				
Comment Code					
Inspector Comment					
2017 Site ID: SAP 1.4 R Status: Critical 2017 Field Notes: New site, immediately upgraded to critical. Start of slump failure, deep cracks along levee crest, concern that a large slump failure will occur from the next heavy rain. Site History: DWR Inspector Comment: Did not observe significant damage on the waterside slope. Minor craking on the crown. Recommend monitoring.					

Photo 1 of 1 : SP_2019_ST0008_284_7_20190304_00001.jpg



View of the cracking on the crown. Fall 2018.

LM Start	1.74	Rating **	A/W	Issue No.	15
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.599546 °	38.599546 °
				-121.590235 °	-121.590235 °
DWR ID	DWR_ST0008_01_s_2018_15				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is runoff erosion on the oversized levee section located on the waterside levee slope. Recommend monitoring.					

Photo 1 of 1 : SP_2019_ST0008_284_15_20190304_00004.jpg



View of erosion on waterside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Sacramento Bypass

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento Bypass or South Levee			Left	1.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/30/2019 - 4/30/2019			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/30/2019 04/30/2019	Zach Jojola

LM Start	0.03	Rating **	C	Issue No.	2
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.602613 °	38.602613 °	
			-121.556021 °	-121.556021 °	
DWR ID	DWR_ST0008_02_s _ 2016_2				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.03	Rating **	M	Issue No.	3
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.602613 °	38.595012 °	
			-121.556108 °	-121.585960 °	
DWR ID	DWR_ST0008_02_s _ 2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	M	Issue No.	4
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.600212 °	38.597789 °	
			-121.564916 °	-121.575384 °	
DWR ID	DWR_ST0008_02_s _ 2019_4				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.26	Rating **	A/W	Issue No.	1
LM End	1.79	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.597023 °	38.594527 °	
			-121.577558 °	-121.586638 °	
DWR ID	DWR_ST0008_02_f_2017_1				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:260

Site Designation:LMA-55

Repair Type: Erosion

Rating:Area of Concern

Field Date:6/5/2017

Notes: Minor wavewash on landside levee slope; no active erosion; no cross section taken, photo only. The erosion is not within the prism. Sac Yard will fix after vegetation gets burned. Fall 2018.

LM Start	1.26	Rating **	A/W	Issue No.	1 (cont)
LM End	1.79	Issue Type +	Ma	Location *	

Photo 1 of 4 : SP_2019_ST0008_285_1_20190304_00001.jpg



View of the worst section of erosion, just past the gate near the end of the unit. Fall 2018.

Photo 2 of 4 : LEVAL_SP_2019_260_471.jpg



Photo from storm site evaluations.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/30/2019 04/30/2019	Zach Jojola

Levee Evaluation Comments
Description:
Site ID No:260
Site Designation:LMA-55
Repair Type: Erosion
Rating:Area of Concern
Field Date:6/5/2017
Notes: Minor wavewash on landside levee slope; no active erosion; no cross section taken, photo only. The erosion is not within the prism. Sac
Yard will fix after vegetation gets burned. Fall 2018.

Photo from storm site evaluations.

Photo from storm site evaluations.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.28	Rating **	M	Issue No.	6
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.597156 °	38.595012 °
				-121.578013 °	-121.585961 °
DWR ID	DWR_ST0008_02_s_2019_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	M	Issue No.	7
LM End	1.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.594752 °	38.594752 °
				-121.586558 °	-121.586558 °
DWR ID	DWR_ST0008_02_s_2019_7				
Comment Code					
MA : Material					
Inspector Comment					
It appears that dirt was placed on the crown to block vehicle access at the end of the unit.					

Photo 1 of 1 : SP_2019_ST0008_285_7_20190430_00010.jpg



View of material on the crown. Spring 2019.

LM Start	1.77	Rating **	A/W	Issue No.	5
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.594743 °	38.594743 °
				-121.586556 °	-121.586556 °
DWR ID	DWR_ST0008_02_s_2016_5				
Comment Code					
PR : Prunings					
Inspector Comment					
This is a seasonal pile but gets burned by the LMA each year.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Sacramento Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento Bypass or South Levee	Left	1.79	04/30/2019 04/30/2019	Zach Jojola

LM Start	1.77	Rating **	A/W	Issue No.	8
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.594710 °	38.594710 °
				-121.586582 °	-121.586582 °
DWR ID	DWR_ST0008_02_s_2019_8				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
This is a runoff location, but it is not within the levee prism. Recommend monitoring.					

Photo 1 of 1 : SP_2019_ST0008_285_8_20190304_00009.jpg



View of erosion on waterside levee slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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